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EXAMINER

LEMMA, SAMSON B

ART UNIT

PAPER NUMBER

2132

DATE MAILED: 06/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/021,172

Applicant(s)

HENRY ET AL.

Examiner

Samson B. Lemma

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 October 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. **Claims 1- 15** have been examined.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language

3. **Claims 1,5-7, 10 and 11-18** are rejected under 35 U.S.C. 102(e) as being anticipated by Garrison (hereinafter referred as **Garrison**)(U.S. Patent 6,275,939)

4. **As per claims 1** **Garrison discloses** a method of connecting a mobile host to a remote network through an access network with a single user password, where the access network may be independent of the remote network in terms of no protocol conversation between authentication servers in the access network and the remote network, respectively, and a virtual single account (VSA) has been set up for a user to connect to the access network and then to the remote network, comprising the steps of [Column 6, lines 64-column 3, line 2 and column 3, line 2 and column 3, lines 3-8 and column 5, lines 61-65]:

Generating a VSA password and decryption key from the single

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password received from the user;[Column 2, lines 64-column 3, line 2; column 2, lines 42-51]

Decrypting at least one of a local access network authentication credential and a remote access authentication credential; [Column 9, lines 19-33; column 2, lines 42-51]

Initiating a local access network connection; [Figure 1, ref. Num "17a"; Column 7, lines 50-57] and

Initiating a remote network access connection.[Figure 1, ref. Num "17b"; column 9, lines 40-44]

5. **As per claims 5** **Garrison discloses** a method of connecting a mobile host to a remote network through an access network with a single user password as applied to claim 1 above. Furthermore **Garrison** discloses the method further comprising the step of selecting a local access network from a current VSA access record.[Column 4, lines 13-23 and column 5, lines 13-15]

6. **As per claims 6** **Garrison discloses** a method of connecting a mobile host to a remote network through an access network with a single user password as applied to claim 1 above. Furthermore **Garrison** discloses the method further comprising the step generating the decryption key in response to a random sequence.[Column 6, lines 26-30]

7. **As per claims 7, 12,15** **Garrison discloses** a method of connecting a mobile host to a remote network through an access network with a single user password as applied to claim 1 above. Furthermore **Garrison** discloses the method wherein the VSA password is 2 generated using the expression: VSA password = hash(VSA username 1/ common 3 password 11 VSA server 11 remote network ID), wherein the VSA username 4 identifies the user to a VSA server, the common password is the single password S from the user, and the remote network ID

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identifies the remote network serving as 6 a home network for the mobile host.[Column 10, lines 44-50]

8. **As per claims 10** Garrison discloses a method of connecting a mobile host to a remote network through an access network with a single user password as applied to claim 1 above. Furthermore **Garrison** discloses the method further comprising the steps of selecting local access parameters and remote access parameters from a VSA access record.[Column 5, lines 5-39]

9. **As per claims 11 and 18** Garrison discloses a method of connecting a mobile host to a remote network through an access network with a single user password, where the access network may be independent of the remote network in terms of no protocol conversation between authentication servers in the access network and the remote network, respectively, and a virtual single account (VSA) has been set up for a user to connect to the access network and then to the remote network, comprising the steps of [Column 6, lines 64-column 3, line 2 and column 3, line 2 and column 3, lines 3-8 and column 5, lines 61-65]:

Receiving a VSA information update request message from the mobile host;[Column 2, lines 42-51]

Sending a VSA information update response message to the mobile host;[Column 2, lines 52-59]

Receiving an authentication credential for the remote network and Verifying the authentication credential;[Column 2, line 64-column 3, line 2] and

Granting remote network access to the mobile host.[Column 1, lines 60-65]

10. **As per claims 13, 17** Garrison discloses a method of connecting a mobile host to a remote network through an access network with a single user password as applied to claim 11

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above. Furthermore **Garrison** discloses the method further comprising the steps of selecting local access parameters and remote access parameters from a VSA access record wherein the VSA server contains a plurality of VSA management records, each management record including a user's VSA authentication credential. [Column 12, lines 35-54]

11. **As per claims 14** **Garrison discloses** a method of connecting a mobile host to a remote network through an access network with a single user password as applied to claim 11 above. Furthermore **Garrison** discloses the method, wherein the user's VSA authentication credential includes a VSA password generated from the single user password.[Column 2, lines 64-column 3, line 2]

12. **As per claims 16** **Garrison discloses** a method of connecting a mobile host to a remote network through an access network with a single user password as applied to claim 11 above. Furthermore **Garrison** discloses the method, wherein the VSA server maintains access information for at least one local access network and at least one remote network. [Column 2, lines 42-63]

Claim Rejections - 35 USC § 103

13. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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14. **Claims 2,-4 and 8-9** are rejected under 35 U.S.C. 103(a) as being unpatentable over Garrison (hereinafter referred as **Garrison**)(U.S. Patent 6,275,939) in view of Cohen et al (hereinafter referred to as Cohen) (U.S. Patent 6178511)

15. **As per claim 2-3 and 8-9** Garrison discloses sending a VSA information update response message to the mobile host;[Column 2, lines 52-59]
Garrison does not explicitly disclose initiating a VSA configuration update process with a VSA server.

However, in the same field of endeavor, **Cohen** discloses configuration update process with server. [Column 4, lines 48-60]. Furthermore Cohen discloses the constructing, sending and receiving the VSA information update response message. [Column 4, lines 35-60 and column 6, lines 37-45]

It would have been obvious to one having ordinary skill in the art, at the time the invention was made, to combine the feature configuration update process as per teachings of Cohen in to the method taught by Garrison, in order to securely operate subsequent and future operations.[See column 5, lines 12-15]

16. **As per claim 4** the combination of **Garrison and Cohen** discloses the method as applied to claims 3 above. Furthermore Garrison discloses the method , wherein the VSA information update request message contains an instruction authorizing the step of decrypting the remote network authentication credential prior to initiating the remote network access connection.[Column 2, lines 64-column 3, line 2 and column 9, lines 23-27]

Conclusion

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17. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.(See PTO-Form 892).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samson B Lemma whose telephone number is 571-272-3806. The examiner can normally be reached on Monday-Friday (8:00 am---4: 30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BARRON JR GILBERTO can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SAMSON LEMMA

S.L.
05/27/2005

Justin Darrow
JUSTIN T. DARROW
PRIMARY EXAMINER